

Curriculum Vitae

Steven Luke Britz

Full Name: Steven Luke Britz

Date of Birth: 20 January 1989

I.D. No.: 8901205122089

Passport: South African

Gender: Male

Nationality: South African

Marital Status: Single

Home Language: Afrikaans/English

Other Language: English (Speak, read, write and understand)

Health: Excellent

Criminal Offences: None

Drivers Licenses: Light Motor Vehicle Code B

Seaman's Book: South African Maritime Safety Authority seaman's book

Survival Course: 7 Day offshore survival, H.U.E.T, Fire Fighting and First Aid

Personality: I am a very open-minded outgoing individual and am extremely fond of the outdoors, particularly the ocean. I work well with other people and on my own. I adapt easily to all working conditions and work to the best of my ability in achieving everything I set out to do. I enjoy taking on challenging tasks whilst applying my passion for the ocean to beneficial use.

Summary of Relevant Work Experience

2015

29/11/2015 to 5/12/2015- Performed a pipeline inspection in Durban, South Africa. Equipment used for the project consists of the following; Teledyne-Reson T50P Multibeam echosounder, Appalnix POSMV 320, Leica GS10 RTK, ValePort Mini SVS. The geophysical survey equipment used was a Coda Octopus 460 Sonar Acquisition system with 4 Massa TR-1061A Sub-Bottom Profiling Transducers and Klein 3000 side scan sonar.

28/09/2015 to 28/10/2015- Performed a large scale multibeam bathymetric survey in the Gulf of Bothnia, Finland. Equipment used for the project consists of the following; Kongsberg EM 2040 Dual multibeam echo sounder, Seapath 330 GNSS RTK, Kongsberg MRU 5+, Valeport MiniSV S/P. Software included Eiva and NaviPac.

03/08/2015 to 02/09/2015- Performed a large scale multibeam bathymetric survey in the Gulf of Bothnia, Finland. Equipment used for the project consists of the following; Kongsberg EM 2040 Dual multibeam echo sounder, Seapath 330 GNSS RTK, Kongsberg MRU 5+, Valeport MiniSV S/P. Software included Eiva and NaviPac.

26/03/2015 to 28/03/2015- Performed a multibeam bathymetric survey off the West-Coast of South Africa. Equipment used for the project consists of the following; Reson Seabat 7125, Applanix POS MV 320 and C-Nav 3050. Software included QINSy V8 survey software with IVS3D Fledermaus Pro.

01/03/2015 to 03/03/2015- Completed the EIVA Navisuite Nardoa Offline with Pipeline Inspection Training Course, Cape Town, South Africa

23/02/2015 to 27/02/2015-Completed the EIVA NaviSuite Online Training Course, Cape Town, South Africa

15/02/2015 to 17/02/2015-Performed a multibeam and geophysical survey off the West-Coast of South Africa. Equipment used for the multibeam survey was a Reson Seabat 7125 Multibeam ecosounder, Applanix POS MV 320 and C-Nav 3050, Reson SVP 14 integrated into QINSy V8 survey software with IVS3D Fledermaus Pro for processing. The geophysical survey equipment used was a Coda Octopus 460 Sonar Acquisition system with 4 Massa TR-1061A Sub-Bottom Profiling Transducers.

13/01/2015 to 22/01/2015- Performed the operations and maintenance of the De Beers Marine Namibia 3D positioning and USBL system, which comprises of a Sonardyne Ranger NCU, 8021 Transceiver, C-Nav 3050 and Trimble R7 GNSS, and a Seatex MRU. All sensors were interfaced to a QINSy online PC equipped with QINSy V8 and Ranger 1 software

2014

17/11/2014 to 09/12/2014- Performed the operations and maintenance of the De Beers Marine Namibia 3D positioning and USBL system, which comprises of a Sonardyne Ranger NCU, 8021 Transceiver, C-Nav 3050 and Trimble R7 GNSS, and a Seatex MRU. All sensors were interfaced to a QINSy online PC equipped with QINSy V8 and Ranger 1 software

02/10/2014 to 07/11/2014- Performed a seismic and bathymetric survey onboard the SV DP Star off the Namibian Coastline. Equipment used for the seismic survey included an Iotech Airgun, Benthos AQ-4 hydrophone, Minigun-source controller unit and Roland Cakewalk UA-25EX. Equipment used for the bathymetric survey included an R2Sonic 2024 Broadband Multibeam Echosounder, IXSEA Octans 3, Reson SVP 14 and C-nav 3050. Software used was QINSy V8, IVS3D Fledermaus Pro, QLOUD and in-house acquisition seismic software

31/08/2014 to 05/09/2014 – Installation of Sonardyne Ranger 2 USBL Tracking system on board the SV Atlantic which forms part of the sea mining vessels of De Beers Marine Namibia. The system comprises of 4 6G Compatts, HPT USBL & Telemetry Transceiver, Navigation Sensor Hub, C-Nav 3050 and Trimble R7 GNSS with a Seatex MRU. All sensors were interfaced to a QINSy online PC using QINSy V8 and Ranger navigation software

06/08/2014 to 15/08/2014 – Performed a multibeam bathymetric survey off the Namibian Coastline. Equipment used Reson Seabat 7125, Applanix POS MV 320 and C-Nav 3050. Software included QINSy V8 survey software with IVS3D Fledermaus Pro

26/05/2014 to 01/06/2014 – Mombasa Port Berths Bathymetric Survey in Mombasa, Kenya. Equipment used for the survey included the Reson Seabat 7125 Multibeam ecosounder, Applanix POS MV, Reson SVP 14, Leica 1200 RTK GPS and QINSy V8 survey software with IVS3D Fledermaus Pro for processing

29/04/2014 to 12/05/2014 – DCD Scarabeo 7 Thruster re-placement and Rigg repositioning in Cape Town harbour, South Africa. Equipment used was the CGS Trimble 5700, Hemisphere Vector VS330 GNSS Compass and QINSy V8 survey software

2013

06/10/2013 to 16/10/2013- Performed a benthic sampling survey onboard the SV Snowgoose off the Namibian coast. Equipment included a Van Veen Grab fitted with a Sonardyne WSM compact, 8021 Transceiver, C-Nav 3050, IXSEA subsea 3000 MRU. Software used during the survey included QINSy V8 and Ranger 1

04/09/2013 to 15/09/2013 – Performed an anchorage survey for Cape Diving in Luderitz, Namibia. Equipment used for the survey consisted of a Reson Seabat 8125 multibeam echosounder with an 81-P Processor, Applanix MRU and POS MV Computer system. Navigation was comprised of a C-Nav 3050 GNSS and Trimble R7 GNSS system. Sound velocity profiles were obtained with a Teledyne Odom SVP Digibar-S

18/07/2013 to 15/08/2013 – Performed the operations and maintenance of the De Beers Marine Namibia 3D positioning and USBL system, which comprises of a Sonardyne Ranger NCU, 8021 Transceiver, C-Nav 3050 and Trimble R7 GNSS, and a Seatex MRU. All sensors were interfaced to a QINSy online PC equipped with QINSy V8 and Ranger 1 software

14/05/2013 to 18/06/2013 – Performed the operations and maintenance of the De Beers Marine Namibia 3D positioning and USBL system, which comprises of a Sonardyne Ranger NCU, 8021 Transceiver, C-Nav 3050 and Trimble R7 GNSS, and a Seatex MRU. All sensors were interfaced to a QINSy online PC equipped with QINSy V8 and Ranger 1 software

03/05/2013 to 08/05/2013 – Performed a multibeam bathymetry survey of Cape Town harbour, South Africa while simultaneously surveying the topography of the harbour with a 3D terrestrial laser scanner. Equipment included a Reson Seabat 7125 multibeam ecosounder, Applanix MRU, C-Nav 3050 and Trimble R7 GNSS, and a Reigl VZ 400 laser scanner. All sensors were interfaced to a Qinsy online PC

04/04/2013 to 05/04/2013 – Performed a multibeam bathymetry survey of Saldanha Bay, South Africa. Equipment included a Reson Seabat 8125 multibeam ecosounder, Applanix MRU, C-Nav 3050 and Trimble R7 GNSS. All sensors were interfaced to a Qinsy online PC

12/02/2013 to 07/03/2013 – Performed the operations and maintenance of the De Beers Marine Namibia 3D positioning and USBL system, which comprises of a Sonardyne Ranger NCU, 8021 Transceiver, C-Nav 3050 and Trimble R7 GNSS, and a Seatex MRU. All sensors were interfaced to a QINSy online PC equipped with QINSy V8 and Ranger 1 software

12/01/2013 to 17/01/2013 – Involved with the installation and calibration of the Reson Seabat 7125 multibeam ecosounder on board the SV Crazy Diamond, Kleinzee, South Africa. Equipment used was the Applanix POS MV, C-NAV 2050 and Reson Seabat 7125 multibeam ecosounder

2012

05/12/2012 to 18/12/2012 – Performed the operations and maintenance of the De Beers Marine Namibia 3D positioning and USBL system, which comprises of a Sonardyne Ranger NCU, 8021 Transceiver, C-Nav 3050 and Trimble R7 GNSS, and a Seatex MRU. All sensors were interfaced to a QINSy online PC equipped with QINSy V8 and Ranger 1 software

18/01/2012 to 12/11/2012 – Completed my fourth year of studies to achieve a Baccalaureus Technologiae degree in Oceanography.

2011

To achieve a National Diploma in Oceanography your final year must be completed as a practical year. I finished five projects for that year at Bayworld Centre for Research and Education (BCRE). The following were the projects and sailing voyages completed.

Projects

Minor Report for an Instrumentation project: Technical description of Teledyne RD Instruments (TRDI) latest Acoustic Doppler Current Profiler (ADCP): the Doppler Volume Sampler (DVS).

Major Report for a Physical Oceanography project: Determination of any significant ocean temperature anomalies at St. Francis Bay and the Storms River mouth.

Major Report for a Project of choice: A comparison of subsurface wave measurements from different Acoustic Doppler Current Profiler (ADCP) technologies and mooring systems.

Minor Report for a Resource Management project: The use of IBM modeling to determine links between spawning sites and recruitment of chokka squid (*Loligo reynaudii*) paralarvae.

Minor Report for a Mariculture project: Oxygen consumption rate of the flathead grey mullet (*Mugil cephalis*) at various temperatures.

Education History

Schooling

Completed the senior certificate (Grade 12), at Stellenberg High School, Durbanville, Cape Province (2003 – 2007)

Subjects passed

English, Afrikaans, Mathematics, Physical Science, Biology, Geography and Information Technology

Tertiary:

University Attended

Cape Peninsula University of Technology, Cape Town, South Africa (2009 – 2012)

Qualification obtained

National Diploma (2011) - Oceanography

Subjects Passed

Marine Biology 1 (MAB100S), Conservation Ecology 1 (NCE100S), Mathematics 1 (WIS100S), Physics 1 (PHB100S), Computer Skills 1 (KOR102S), Marine Biology 2 (MAB200S), Conservation Ecology 2 (NCE200S), Chemistry 1-Organic (CHE100A), Chemistry 1-Inorganic (CHE100B), Computer Skills 2 (KOR200S), Communication Skills 1 (KOT100S), Conservation Ecology 3 (NCE300S), Digital Systems 1 (DIG100S), Calculations and Statistics (BES100S), Electronics 1 (ELT100S), Marine Biology 3 (MAB300S), Oceanographic and Fishing gear Technology 3 (OFT300S), Physical/Chemical Oceanography 2 (PCO200S), Marine Science Practice 1 & 2 (IDO100S, IDO200S)

Qualification obtained

Baccalaureus Technologiae (2012) - Oceanography

Subjects Passed

Applied Marine Biology 4 (AMY400S), Fisheries Environment 4 (FIE400S), Research Methodology: Natural Sciences (RMN201S), Economics 1 (ECS100S)

Awards

- 2011: Best Resource Management Project
- 2011: Nominated for Best Mariculture, Physical Oceanography and Instrumentation project

General

Computer Literacy

I am computer literate and have extensive experience with Microsoft Office programs. I have gained valuable experience in Navigation Software (QINSy, Sonardyne Ranger Pro, and EIVA) and processing of multibeam bathymetry data sets using QINSy Validate, IVS3D Fledermaus and QLOUD as well as EIVA software. Visualization of these datasets in 3D using QLOUD, Fledermaus and EIVA software.

Practical

I have gained practical experience with the following instrumentation:

- Teledyne- Doppler Volume Sampler (DVS)
- Teledyne- Workhorse Monitor ADCP
- CTD Probes
- Valeport - SVP's
- Teledyne Reson – Seabat 7125 & 8125 Multibeam Echosounders
- Sonardyne – Omni-Directional and Directional Compatt 5, USBL 8021 Transceiver
- Reigl- VZ-400 3D terrestrial laser scanner
- Trimble R7 GNSS
- C-Nav 3050 DGNS
- Applanix POS MV V4
- Leica 1200 RTK GPS
- Seatex MRU
- IXSEA Octans 3000 & Octans 3
- Hemisphere Vector VS330 GNSS Compass
- Sonardyne 6G compatts and 8142 transceiver
- R2Sonic 2024 Broadband Multibeam Echosounder
- IOTECH Aigun
- Benthos AQ-4 hydrophone
- Coda Octopus 460 Sonar Acquisition system
- Massa TR-1061A Sub-Bottom Profiling Transducers
- Kongsberg EM 2040 Dual multibeam echo sounder
- Seapath 330 GNSS RTK
- Kongsberg MRU 5+
- Valeport MiniSV S/P

Courses

- 2010: Pre Sea Familiarisation STCW Code A-VI/1.1
- 2011 : Advanced Open Water Diver PADI
- 2012 : 7 Day Offshore Survival & Fire Fighting & First Aid Course
- 2009-2015: Medical Certificate for the South African Marine and Safety Authority
- 2015: EIVA NaviSuite Online Training Course, EIVA NaviSuite Nardoa Offline with Pipeline Inspection Training Course
- 2016: Multibeam Principals- FirthSolutions (Scotland) Ltd

Other Interests

I am an avid surfer for the last 10 years and recently found a passion for scuba diving, exploring the world under the water. I enjoy the challenge and adventure in crayfish diving-experiencing a bit of free diving in between. Doing anything in the outdoors interests me, be it hiking, trail running, working on ships, etc.

References

References can be supplied on request from client